



# DECLARATION

As a below named inventor, I declare that:

My residence, post office address and citizenship are as stated below next to my name; I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled: **MICROFABRICATED ELASTOMERIC VALVE AND PUMP SYSTEMS** the specification of which is assigned United States Patent Application No. 09/605,520 and was filed on June 27, 2000.

I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56. I claim foreign priority benefits under Title 35, United States Code, Section 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

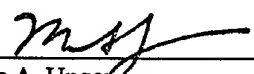
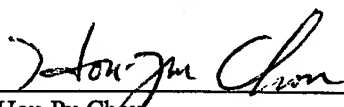
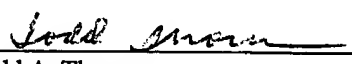
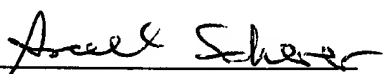

I hereby claim the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below:

Application No.	Filing Date
60/141,503	06/28/99
60/147,199	08/03/99
60/186,856	03/03/00

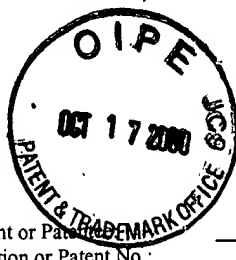
Full Name of Inventor 1:	Last Name: <b>UNGER</b>	First Name: <b>MARC</b>	Middle Name or Initial: <b>A.</b>
Residence & Citizenship:	City: <b>South San Francisco</b>	State/Foreign Country: <b>California</b>	Country of Citizenship: <b>United States</b>
Post Office Address:	Post Office Address: <b>2555 Adams Court</b>	City: <b>South San Francisco</b>	State/Country: <b>California</b>
			Postal Code: <b>94080</b>
Full Name of Inventor 2:	Last Name: <b>CHOU</b>	First Name: <b>HOU-PU</b>	Middle Name or Initial:
Residence & Citizenship:	City: <b>Pasadena</b>	State/Foreign Country: <b>California</b>	Country of Citizenship: <b>China</b>
Post Office Address:	Post Office Address: <b>1028 E. Del Mar Blvd., #207</b>	City: <b>Pasadena</b>	State/Country: <b>California</b>
			Postal Code: <b>91106</b>
Full Name of Inventor 3:	Last Name: <b>THORSEN</b>	First Name: <b>TODD</b>	Middle Name or Initial: <b>A.</b>
Residence & Citizenship:	City: <b>Pasadena</b>	State/Foreign Country: <b>California</b>	Country of Citizenship: <b>United States</b>
Post Office Address:	Post Office Address: <b>810 N. Michigan Avenue</b>	City: <b>Pasadena</b>	State/Country: <b>California</b>
			Postal Code: <b>91104</b>
Full Name of Inventor 4:	Last Name: <b>SCHERER</b>	First Name: <b>AXEL</b>	Middle Name or Initial:
Residence & Citizenship:	City: <b>Laguna Beach</b>	State/Foreign Country: <b>California</b>	Country of Citizenship: <b>United States</b>
Post Office Address:	Post Office Address: <b>1900 Catalina Street</b>	City: <b>Laguna Beach</b>	State/Country: <b>California</b>
			Postal Code: <b>92651</b>

Full Name of Inventor 5:	Last Name: <b>QUAKE</b>	First Name: <b>STEPHEN</b>	Middle Name or Initial: <b>R.</b>	
Residence & Citizenship:	City: <b>San Marino</b>	State/Foreign Country: <b>California</b>	Country of Citizenship: <b>United States</b>	
Post Office Address:	Post Office Address: <b>744 Plymouth Road</b>	City: <b>San Marino</b>	State/Country: <b>California</b>	Postal Code: <b>91108</b>

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Signature of Inventor 1  Marc A. Unger	Signature of Inventor 2  Hou-Pu Chou	Signature of Inventor 3  Todd A. Thorsen
Date <b>7/21/00</b>	Date <b>7/26/00</b>	Date <b>8/7/00</b>
Signature of Inventor 4  Axel Scherer	Signature of Inventor 5  Stephen R. Quake	
Date <del>7/21/00</del> <b>8/8/00 A.S.</b>	Date <b>8/7/00</b>	

PA 3079855 v1



VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY STATUS  
(37 CFR 1.9(f) & 1.27(c)) - SMALL BUSINESS CONCERN

Applicant or Patent Owner: MARC A. UNGER et al.  
Application or Patent No.: 09/605,520  
Filed or Issued: June 27, 2000  
Title: MICROFABRICATED ELASTOMERIC VALVE AND PUMP SYSTEMS

I hereby declare that I am:

- ☐ the owner of the small business concern identified below:  
☒ an official of the small business concern empowered to act on behalf of the concern identified below.

Name of Small Business Concern: Mycometrix Corporation  
Address of Small Business Concern: 213 E. Grand Avenue  
South San Francisco, CA 94080

I hereby declare that the above-identified small business concern qualifies as a small business concern as defined in 13 CFR 121.12, and reproduced in 37 CFR 1.9(d), for purposes of paying reduced fees to the United States Patent and Trademark Office, in that the number of employees of the concern, including those of its affiliates, does not exceed 500 persons. For purposes of this statement, (1) the number of employees of the business concern is the average over the previous fiscal year of the concern of the persons employed on a full-time, part-time or temporary basis during each of the pay periods of the fiscal year, and (2) concerns are affiliates of each other when either, directly or indirectly, one concern controls or has the power to control the other, or a third party or parties controls or has the power to control both.

I hereby declare that rights under contract or law have been conveyed to and remain with the small business concern identified above with regard to the invention, entitled MICROFABRICATED ELASTOMERIC VALVE AND PUMP SYSTEMS by inventor(s) Marc A. Unger, Hou-Pu Chou, Todd A. Thorsen, Axel Scherer, Stephen R. Quake described in:

- ☐ the specification filed herewith;  
☒ Application No. 09/605,520, filed June 27, 2000;  
☐ Patent No. \_\_\_\_\_, issued \_\_\_\_\_.

If the rights held by the above identified small business concern are not exclusive, each individual, concern or organization having rights in the invention is listed below\* and no rights to the invention are held by any person, other than the inventor, who would not qualify as an independent inventor under 37 CFR 1.9(c) if that person made the invention, or by any concern that would not qualify as a small business concern under 37 CFR 1.9(d), or a nonprofit organization under 37 CFR 1.9(e).

\*NOTE: Separate verified statements are required from each named person, concern or organization having rights to the invention averring to their status as small entities. (37 CFR 1.27)

Name: California Institute of Technology  
Address: 1200 E. California Blvd.  
Pasadena, CA 91125  
☐ Individual ☐ Small Business Concern ☒ Nonprofit Organization

Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
☐ Individual ☐ Small Business Concern ☐ Nonprofit Organization

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b))

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

Name of Person Signing: Gajus Worthington  
Title of Person if Other than Owner: CEO and President  
Address of Person Signing: 213 E. Grand Avenue  
South San Francisco, CA 94080

Signature Gajus Worthington Date 9/28/00



VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY STATUS  
(37 CFR 1.9(f) & 1.27(d)) - NONPROFIT ORGANIZATION

Applicant or Patentee: MARC A. UNGER et al.  
Application or Patent No.: 09/605,520  
Filed or Issued: June 27, 2000  
Title: MICROFABRICATED ELASTOMERIC VALVE AND PUMP SYSTEMS

I hereby declare that I am an official empowered to act on behalf of the nonprofit organization identified below:

Name of Nonprofit Organization: California Institute of Technology  
Address of Nonprofit Organization: 1200 E. California Boulevard  
Pasadena, CA 91125

Type of Nonprofit Organization:

- ☒ [X] University or other institution of higher education.  
☐ [ ] Tax exempt under Internal Revenue Service Code [26 USC 501(a) and 501(c)(3)].  
☐ [ ] Nonprofit scientific or educational under statute of state or the United States of America  
(Name of State \_\_\_\_\_).  
☐ [ ] Would qualify as tax exempt under Internal Revenue Service Code [26 USC 501(a) and 501(c)(3) if located in the United States of America.  
☐ [ ] Would qualify as nonprofit scientific or educational under statute of state of the United States of America if located in the United States of America  
(Name of State \_\_\_\_\_)  
(Citation of statute \_\_\_\_\_).

I hereby declare that the nonprofit organization identified above qualifies as a nonprofit organization as defined in 37 CFR 1.9(e) for purposes of paying reduced fees to the United States Patent and Trademark Office regarding the invention, entitled MICROFABRICATED ELASTOMERIC VALVE AND PUMP SYSTEMS by inventor(s) described in:

- ☐ [ ] the specification filed herewith;  
☐ [ ] Application No. 09/605,520, filed June 27, 2000;  
☐ [ ] Patent No. \_\_\_\_\_, issued \_\_\_\_\_.

I hereby declare that rights under contract or law have been conveyed to and remain with the nonprofit organization regarding the above identified invention.

If the rights held by the nonprofit organization are not exclusive, each individual, concern or organization having rights in the invention is listed below\* and no rights to the invention are held by any person, other than the inventor, who would not qualify as an independent inventor under 37 CFR 1.9(c) if that person made the invention, or by any concern that would not qualify as a small business concern under 37 CFR 1.9(d), or a nonprofit organization under 37 CFR 1.9(e).

\*NOTE: Separate verified statements are required from each named person, concern or organization having rights to the invention averring to their status as small entities. (37 CFR 1.27)

Name: Mycometrix Corporation  
Address: 213 E. Grand Avenue  
South San Francisco, CA 94080  
☐ [ ] Individual ☒ [X] Small Business Concern ☐ [ ] Nonprofit Organization

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b))

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

Name of Person Signing: Adam Cochran  
Title in Organization of Person Signing: Intellectual Property Counsel  
Address of Person Signing: 213 E. Grand Avenue  
South San Francisco, CA 94080

Signature 

Date

OCT -5 2000